

Notice of Allowability

Application No.

10/800,308

Examiner

Stephen A. Holzen

Applicant(s)

MOVSESIAN ET AL.

Art Unit

3644

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed on 11/14/2005.
2. ☒ The allowed claim(s) is/are 5-10, 13-16, 18, 21, 23, 24, 28, 49, 50, 55, 58 and 59.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

DETAILED ACTION

Election/Restrictions

1. Restriction to one of the following inventions is required under 35 U.S.C.

121:

- I. Claims 1-24 and 49-59, drawn to An Insulation Blanket, classified in class 428, subclass 76.
- II. Claims 25-31, drawn to an aircraft, classified in class 244, subclass 121.

The inventions are distinct, each from the other because of the following reasons:

2. Inventions I and II are related as combination and subcombination.

Inventions in this relationship are distinct if it can be shown that (1) the combination as claimed does not require the particulars of the subcombination as claimed for patentability, and (2) that the subcombination has utility by itself or in other combinations (MPEP § 806.05(c)). In the instant case, the combination as claimed does not require the particulars of the subcombination as claimed because the combination does not require a lattice. The subcombination has separate utility such as an aircraft wing.

3. Because these inventions are distinct for the reasons given above and the search required for Group I is not required for Group II, restriction for examination purposes as indicated is proper.

4. During a telephone conversation with Lacy Belden on 1/11/2006 a provisional election was made with traverse to prosecute the invention of Group

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I, claims 1-24, 49-59. Claims 25-31 are withdrawn from further consideration by the examiner, 37 CFR 1.142(b), as being drawn to a non-elected invention.

EXAMINER'S AMENDMENT

5. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Lacy Belden on 1/18/06.

The application has been amended as follows:

- **Claims 1-4, 11, 12, 17, 19, 20, 22, 25-27, 29-48, 51-54, and 56-57** are cancelled without prejudice or disclaimer of the subject matter therein and applicant reserves the right to pursue claim of similar scope to those cancelled in continuing applications.
- The preamble to **claims 5-9, 13-15, 18, 21, 23, 24, and 58** is changed to "The insulated aircraft component of claim 49,"
- The preamble of **claim 16** is changed to "The insulated aircraft component of claim 15,"
- The preamble of **claim 59** is changed to "The insulated aircraft component of claim 58,"

- **Claim 10:** The phrase “The blanket of Claim 1 or Claim 2, further comprises” is changed to --The insulated aircraft component of claim 49, wherein the blanket further comprises—
- **Claim 21:** The phrase “sized in standard...an aircraft fuselage” is changed to --sized to conform with the dimensions of the at least one surface—
- **Claim 28** is changed to read: “The insulated aircraft component of claim 49, wherein the insulation blanket is affixed in constant, conforming interface with the at least one surface.”
- **Claim 55** is changed to read: “The insulated aircraft component of claim 49, wherein another of the seams includes an inner crease formed approximately midway between a second pair of adjacent modules, a pair of creases formed between the adjacent modules, a first crease of the pair formed on a first side of the inner crease and a second crease of the pair formed on a second side of the inner crease.
- **Claim 58:** the phrase “junction of the edge....module” is changed to --junction with an edge of a module adjacent to the perimeter edge.—
- **Claim 59:** the phrase “of the adjacent module” is changed to --of the module adjacent the perimeter edge.--
- **Claim 49** is amended to read:
--An insulated aircraft component, comprising:

at least one surface,
at least one strut partitioning the surface; and
a modular insulation blanket system comprising a modular insulation blanket, the insulation blanket being comprised of a plurality of batting blocks and a cover having sealed perimeter edges, a distal layer and a proximal layer; the layers being mated in a sealed relationship along a lattice of longitudinal and latitudinal heat sealed seams, the seams forming a plurality of modules between the layers, the batting blocks being disposed between said layers within the modules which are separated by heat-sealed seams, and the insulation blanket being affixed to the surface of the aircraft component such that at least one of the heat-sealed seams spans across the at least one strut and the strut is sandwiched between adjacent modules.--

Allowable Subject Matter

6. Claims 5-10, 13-16, 18, 21, 23-24, 28, 49-50, 55, 58, and 59 are allowed.
7. The following is an examiner's statement of reasons for allowance: the prior art does not disclose the combination of elements in an aircraft, especially persuasive were --at least one of the heat-sealed seams spanning a strut—and – a lattice of heat sealed seams--.

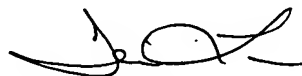
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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Stephen A. Holzen whose telephone number is 571-272-6903. The examiner can normally be reached on M-F 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Teri Luu can be reached on 571-272-7045. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



TERI PHAM LUU
SUPERVISORY
PRIMARY EXAMINER

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